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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/597,638	10/04/2006	Laurent Dufour	06103	4286
23338 DENNISON S	7590 11/26/200 CHULTZ & MACDO	EXAMINER		
1727 KING STREET			AURORA, REENA	
SUITE 105 ALEXANDRI	A. VA 22314		ART UNIT	PAPER NUMBER
			2862	
			MAIL DATE	DELIVERY MODE
			11/26/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No.	Applicant(s)	Applicant(s)		
10/597,638	DUFOUR, LAURENT			
Examiner	Art Unit			
Reena Aurora	2862			

Office Action Summary						
Omce Action Gammary	Examiner	Art Unit				
	Reena Aurora	2862				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the o	correspondence ac	idress			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING D. - Estensions of time may be available under the provisions of 37 CPR 1.1 or	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin vill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).				
Status						
Responsive to communication(s) filed on	_					
2a) This action is FINAL . 2b) ☐ This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) 1 - 12 is/are pending in the application	1.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) 1 - 12 is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/o	r election requirement.					
Application Papers						
9) ☐ The specification is objected to by the Examine	r					
10)⊠ The drawing(s) filed on <u>02 August 2006</u> is/are:	_	to by the Examine	er.			
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correct			FR 1.121(d).			
11) The oath or declaration is objected to by the Ex						
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).				
a)⊠ All b)□ Some * c)□ None of:						
1.⊠ Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)						
Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da	ate				
3) ☑ Information Disclosure Statement(s) (FTO/SE/08) Paper No(s)/Mail Date 8/10/08.	5) Notice of Informal F 6) Other:	ratent Application				

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DETAILED ACTION

Claim Objections

Claim 1 is objected to because of the following informalities:

Lines 1 – 2, the phrase "the phase difference" lacks antecedent basis.

Line 2, the phrase "the relative passing" lacks antecedent basis.

Line 6, the phrase "the position" lacks antecedent basis.

Line 10, the phrase "the direction" lacks antecedent basis.

Line 13, the phrase "the form" lacks antecedent basis.

Appropriate correction is required.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 – 12 are rejected under 35 U.S.C. 102(b) as being anticipated by Campbell (5,545,985).

As to claims 1-7, Campbell discloses a magnetoresistive position sensor comprising at least two detection cells (29, 30), and secondly the position of at least two switching edges (42, 43) of a logic electric signal (fig. 10 (a) -10 (f)) delivered by the detection system, the two magnetic transitions (N, S) being separated from each other by a given width in the direction of relative movement between the generator element

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(22) and the detection system, characterized in that it consists of: choosing the form of a reference logic electric signal (fig. 10 (a) - 10 (f)) by determining the position of at least one first and one second variation edge, spacing the detection cells (29,30:42,43) in the direction of movement by a given value so that one cell (29,30) detects at least the first magnetic transition to obtain a logic signal with at least one switching edge corresponding to the position determined for the first variation edge, whilst the other cell (42,43) detects at least the second magnetic transition to obtain a logic signal with at least one switching edge corresponding to the position determined for the second variation edge, and of combining the logic signals delivered by the detection cells so as to obtain a logic electric signal corresponding to the reference electric signal (Note Fig. 10 (f) and col. 8, line 40 - col. 9, line 18)

As to claims 8 – 12, Campbell discloses a magnetoresistive position sensor comprising at least two detection cells (29,30;42, 43) and delivering a logic signal (fig. 10 (a) – 10 (f)) comprising at least two switching edges and corresponding to changes in the magnetic field generated by the element, the detection cells being linked to means for processing electric signals delivered by the detection cells, characterized in that the detection cells (29,30;42,43) are spaced apart in the direction of relative movement between the generator element (22) and the detection system by a given value so that one cell (29,30) detects at least the first magnetic transition to obtain a logic signal with at least one switching edge corresponding to the position determined for the first variation edge, whilst the other cell (42, 43) detects at least the second magnetic transition to obtain a logic signal with at least one switching edge

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corresponding to the position determined for the second variation edge, and in that the processing means combine the electric signals of the detection cells so as to obtain a logic electric signal corresponding to a reference electric signal (Note Fig. 10 (f) and col. 8, line 40 – col. 9, line 18)

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Reena Aurora whose telephone number is 571-272-2263. The examiner can normally be reached on Monday - Friday, 7:00 - 3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, P. Assouad can be reached on 571-272-2210. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Art Unit: 2862

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Reena Aurora /Reena Aurora/ Primary Examiner, Art Unit 2862